



#5

SEQUENCE LISTING

<110> OLSON, ERIC
SPENCER, JEFFREY A.

<120> METHODS AND COMPOSITIONS FOR STABILIZING MICROTUBULES
IN STRIATED MUSCLE CELLS

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<140> 09/908,988

<141> 2001-07-18

<150> 60/219,020

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<170> PatentIn Ver. 2.1

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gctccagagc gccgcggg atg aac ttc acg gtg ggt ttc aag ccg ctg cta 231
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Gly Asp Ala His Asn Met Asp Asn Leu Glu Lys Gln Leu Ile Cys Pro
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Tyr Lys Gln Glu Ser Ser Arg Pro Leu His Ala Lys Ala Glu Gln His
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Lys Cys Ala Asn Asp Val Phe Gln Ala Ser Asn Pro Leu Trp Gln Ser				
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Cys Arg His Glu Val Val Leu Asp Arg His Gly Val Tyr Gly Leu Gln				
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Ser Arg Pro Leu His Ala Lys Ala Glu Gln His Leu Met Cys Glu Glu				
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His Glu Asp Glu Lys Ile Asn Ile Tyr Cys Leu Ser Cys Glu Val Pro				
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Thr Cys Ser Leu Cys Lys Val Phe Gly Ala His Lys Asp Cys Glu Val				

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Thr Gln Met Glu Glu Val Cys Gln Thr Ile Glu Asp Asn Ser Arg Arg	195	200	205
Gln Lys Gln Leu Leu Asn Gln Arg Phe Glu Thr Leu Cys Ala Val Leu	210	215	220
Glu Glu Arg Lys Gly Glu Leu Leu Gln Ala Leu Ala Arg Glu Gln Glu	225	230	235
Glu Lys Leu Gln Arg Val Arg Gly Leu Ile Arg Gln Tyr Gly Asp His	245	250	255
Leu Glu Gly Ser Ser Lys Leu Val Glu Ser Ala Ile Gln Ser Met Glu	260	265	270
Glu Pro Gln Met Ala Leu Tyr Leu Gln Gln Ala Lys Glu Leu Ile Asn	275	280	285
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Glu Met Leu Arg Thr Ile Asp Phe Gln Pro Gly Ala Ala Gly Asp Glu	325	330	335
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Val Tyr Gly Leu Gln Arg Asn Leu Leu Val Glu Asn Ile Ile Asp Ile	95	100	105	
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Tyr Lys Gln Glu Ser Thr Arg Pro Glu Lys Lys Leu Asp Gln Pro Met	110	115	120	
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Cys Glu Glu His Glu Glu Arg Ile Asn Ile Tyr Cys Leu Asn Cys	125	130	135	
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Glu Val Pro Thr Cys Ser Leu Cys Lys Val Phe Gly Ala His Lys Asp	140	145	150	155
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Met Asp Tyr Phe Thr Leu Asp Leu Glu His Ile Ala Glu Ala Leu Arg	
305 310 315 320	
gcc att gac ttt ggg aca ggt aaa gga tgt gat gtt aca tgt ttg acc	1306
Ala Ile Asp Phe Gly Thr Gly Lys Gly Cys Asp Val Thr Cys Leu Thr	
325 330 335	
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Phe Glu Arg Gln Arg Ser Ser	
340	
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<400> 6

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Pro	Val	Val	Ile	Leu	Pro	Cys	Gln	His	Asn	Leu	Cys	Arg	Lys	Cys	Ala	
			35				40					45				
Asn	Asp	Ile	Phe	Gln	Ala	Ala	Asn	Pro	Tyr	Trp	Thr	Asn	Arg	Gly	Gly	
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Glu	Val	Ile	Met	Asp	Arg	His	Gly	Val	Tyr	Gly	Leu	Gln	Arg	Asn	Leu	
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Leu	Val	Glu	Asn	Ile	Ile	Asp	Ile	Tyr	Lys	Gln	Glu	Cys	Ser	Ser	Arg	
			100					105							110	
Pro	Leu	Gln	Lys	Gly	Ser	His	Pro	Met	Cys	Lys	Glu	His	Glu	Asp	Glu	
			115				120						125			
Lys	Ile	Asn	Ile	Tyr	Cys	Leu	Thr	Cys	Glu	Val	Pro	Thr	Cys	Ser	Leu	
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Cys	Lys	Val	Phe	Gly	Ala	His	Gln	Ala	Cys	Glu	Val	Ala	Pro	Leu	Gln	
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Ser	Ile	Phe	Gln	Gly	Gln	Lys	Thr	Glu	Leu	Ser	Asn	Cys	Ile	Ser	Met	
				165					170						175	
Leu	Val	Ala	Gly	Asn	Asp	Arg	Val	Gln	Thr	Ile	Ile	Ser	Gln	Leu	Glu	
			180					185						190		
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		210				215					220					
Ser	Glu	Leu	Leu	Gln	Arg	Ile	Thr	Gln	Glu	Gln	Glu	Glu	Lys	Leu	Gly	
	225				230					235					240	
Phe	Ile	Glu	Ala	Leu	Ile	Leu	Gln	Tyr	Arg	Glu	Gln	Leu	Glu	Lys	Ser	
			245						250						255	
Thr	Lys	Leu	Val	Glu	Thr	Ala	Ile	Gln	Ser	Leu	Asp	Glu	Pro	Gly	Gly	
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Ala Thr Phe Leu Ser Ser Ala Lys Gln Leu Ile Lys Ser Ile Val Glu
275 280 285

Ala Ser Lys Gly Cys Gln Leu Gly Lys Thr Glu Gln Gly Phe Glu Asn
290 295 300

Met Asp Tyr Phe Thr Leu Asp Leu Glu His Ile Ala Glu Ala Leu Arg
305 310 315 320

Ala Ile Asp Phe Gly Thr Gly Lys Gly Cys Asp Val Thr Cys Leu Thr
325 330 335

Phe Glu Arg Gln Arg Ser Ser
340